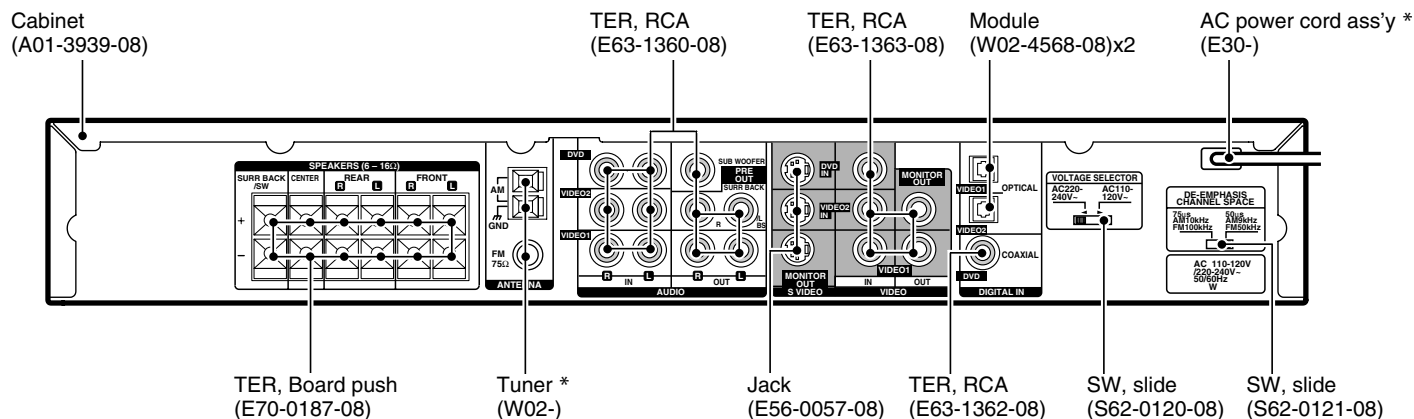
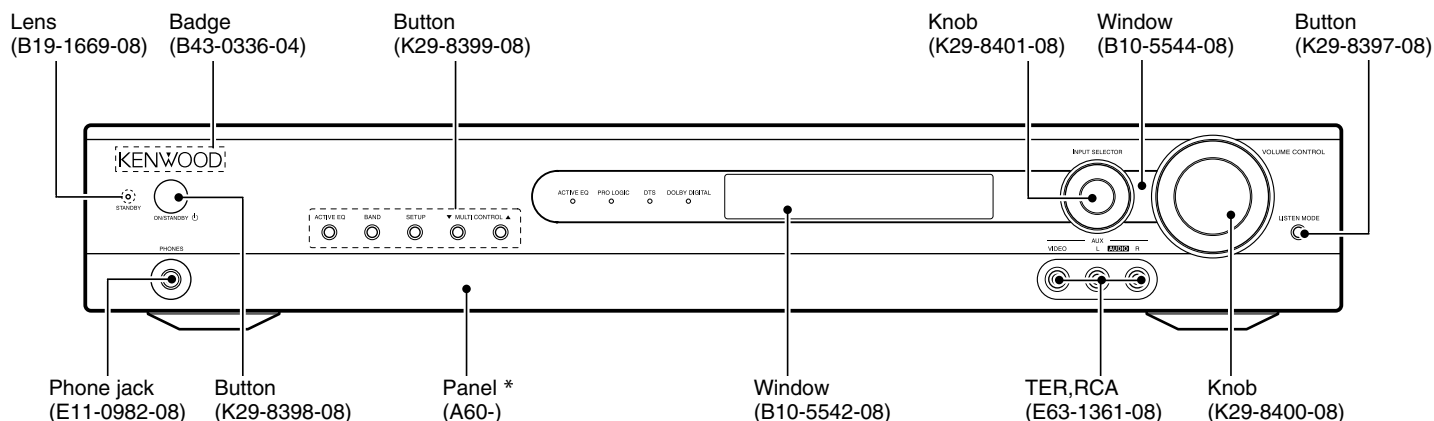


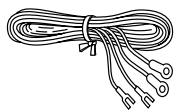


VRS-5100

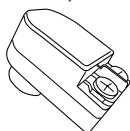
ACCESSORIES / CAUTIONS

Accessories

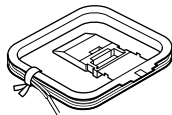
FM indoor antenna (1)
(T90-0913-08)



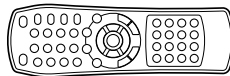
FM antenna adapter (1)
(T90-0914-08)



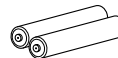
AM loop antenna (1)
(T90-0903-08)



Remote control unit (1)
(A70-1665-08) :
RC-R0516E (for the Europe)
(A70-1666-08) :
RC-R0516 (except for the Europe)



Batteries (R03/AAA) (2)



Cautions

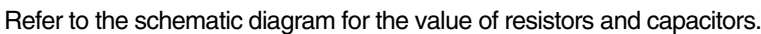
Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

Unplug the power cord after turn the ON/STANDBY  key OFF. Then, while holding down the ON/STANDBY  key, plug the power cord.

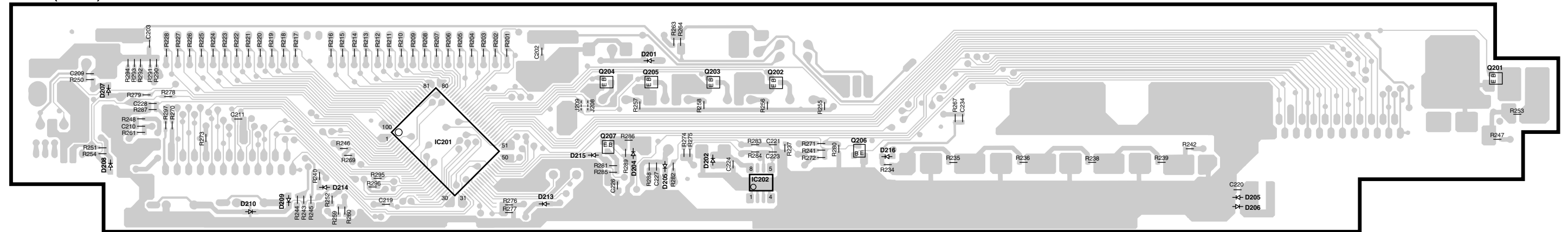
- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory

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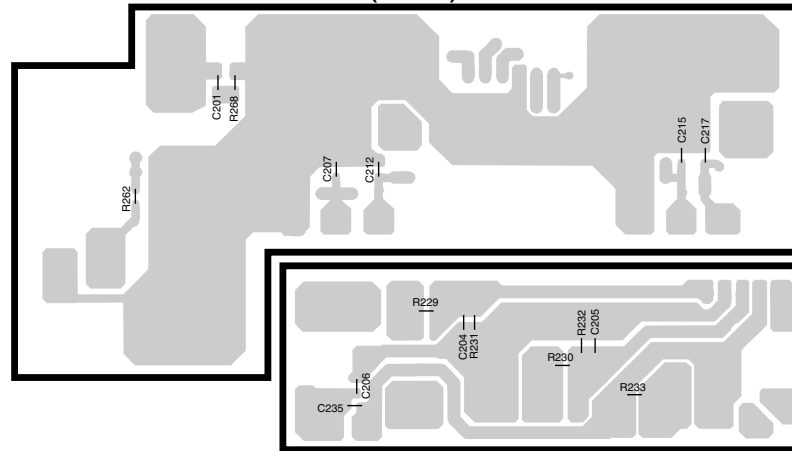


PC BOARD

FRONT (SIDE B)

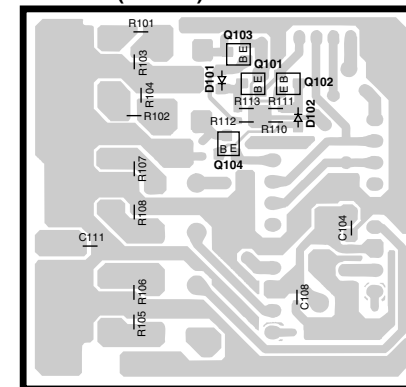


VOLUME & FUNCTION (SIDE B)

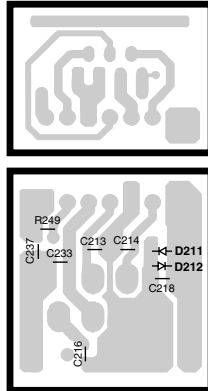


AUX (SIDE B)

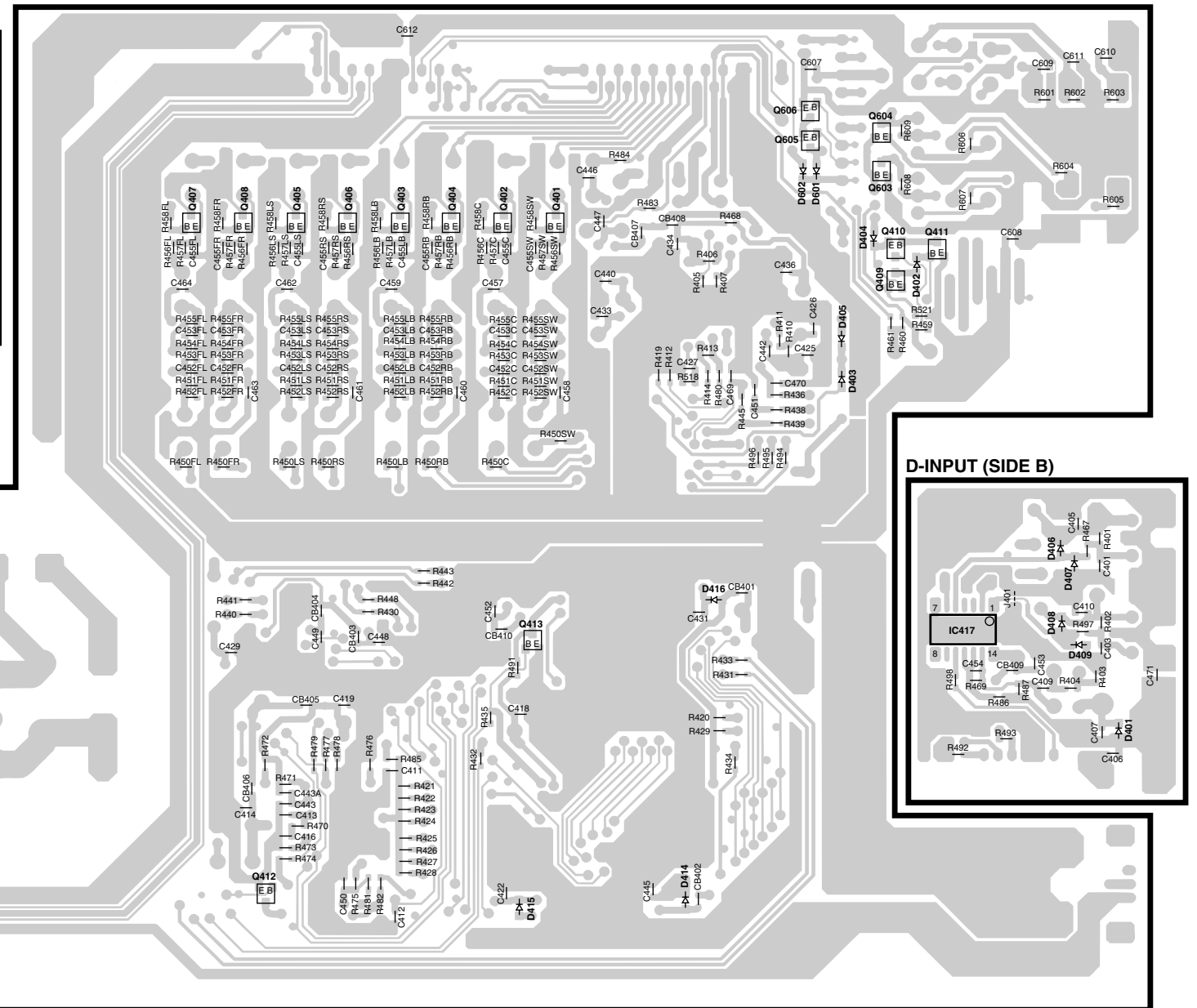
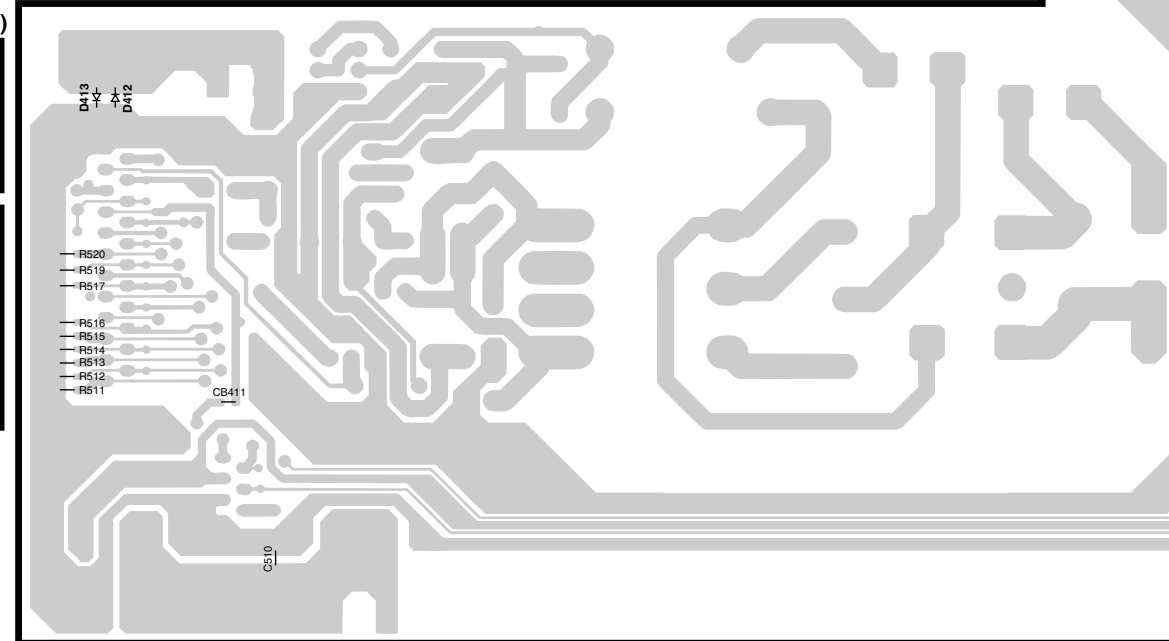
S-VIDEO (SIDE B)



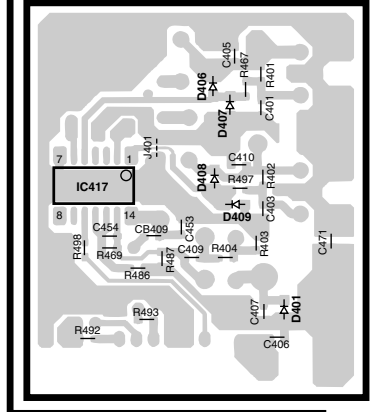
HEADPHONE (SIDE B)



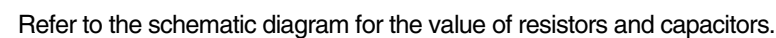
DSP (SIDE B)



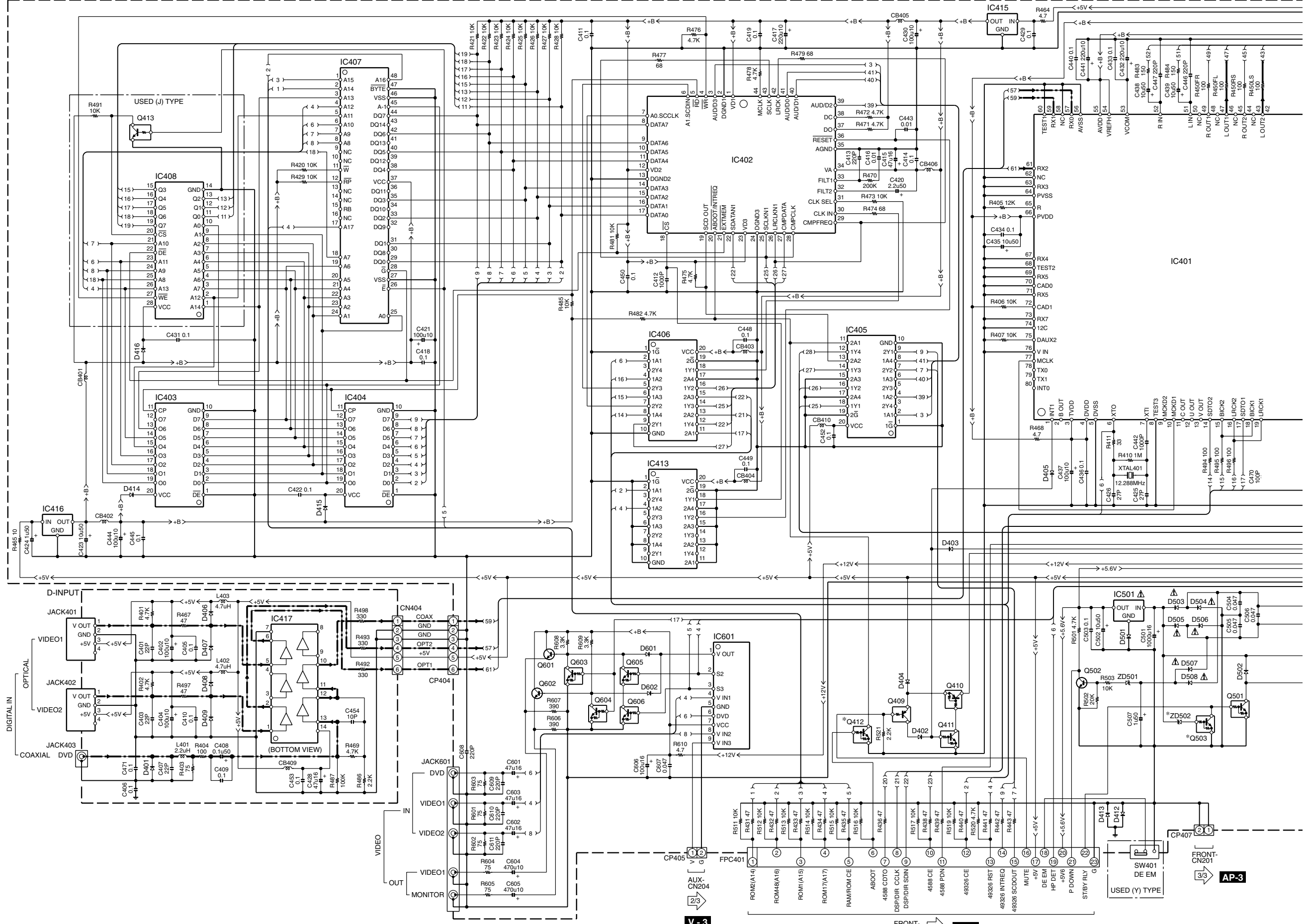
D-INPUT (SIDE B)

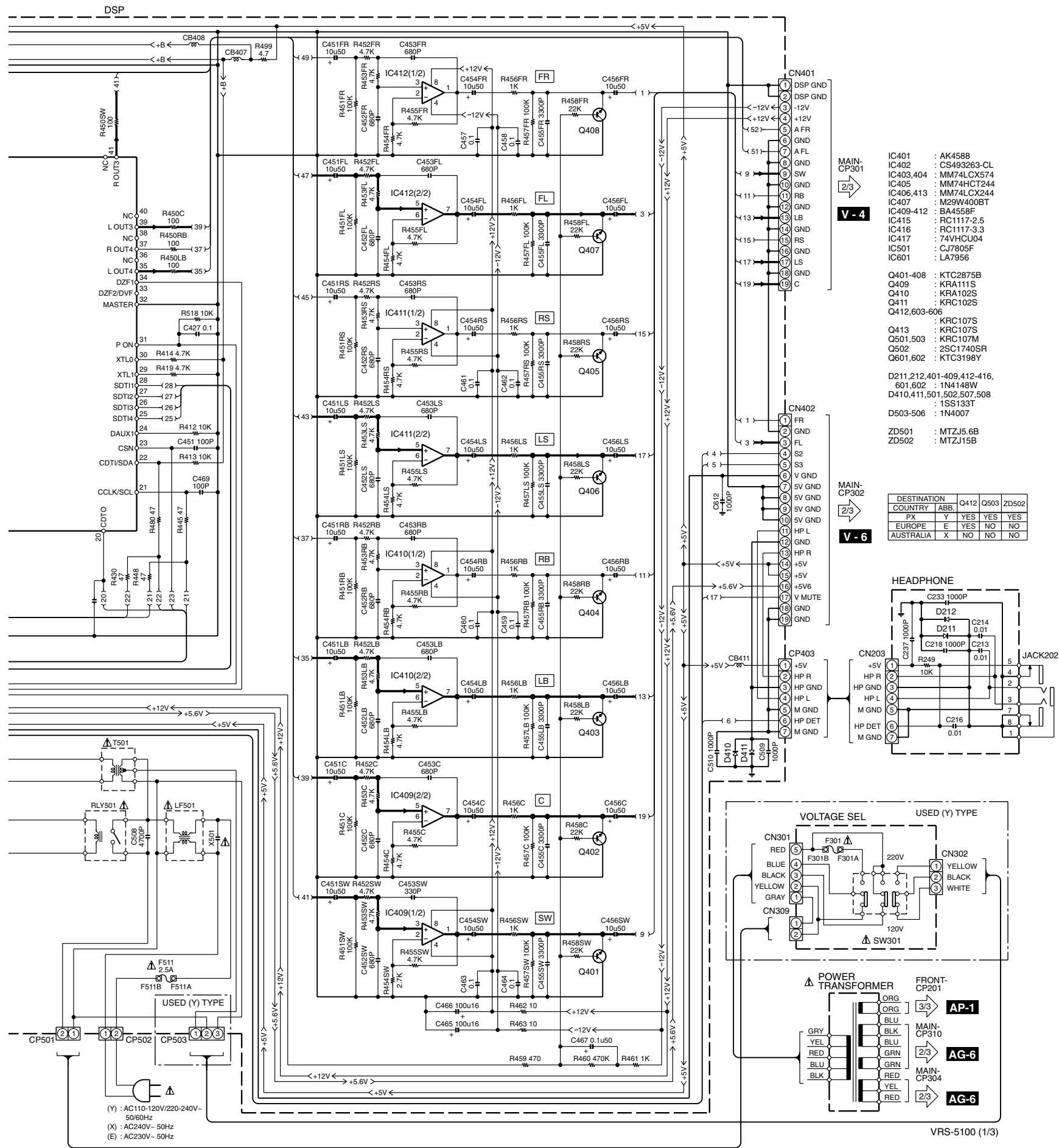


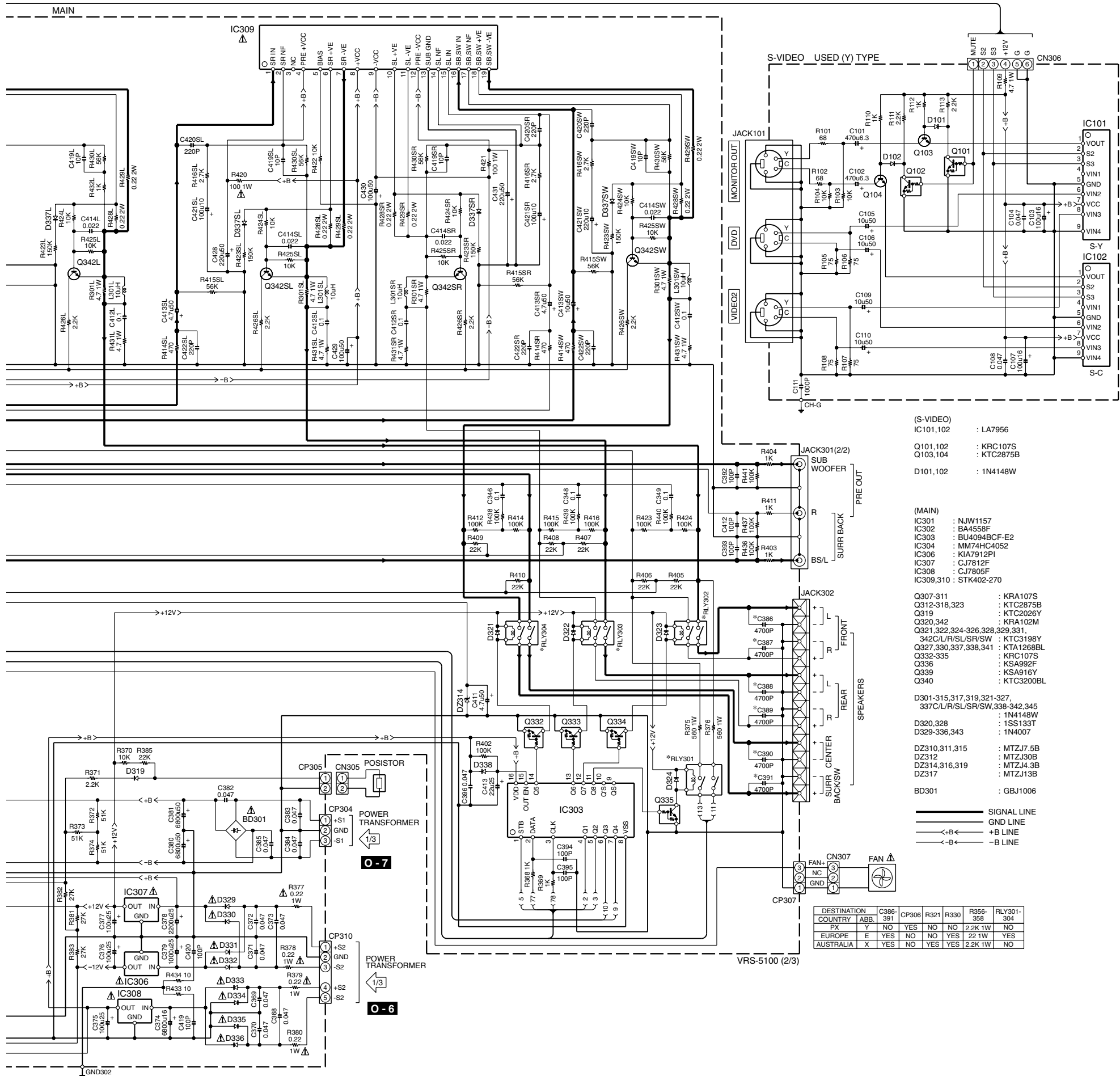
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DSP



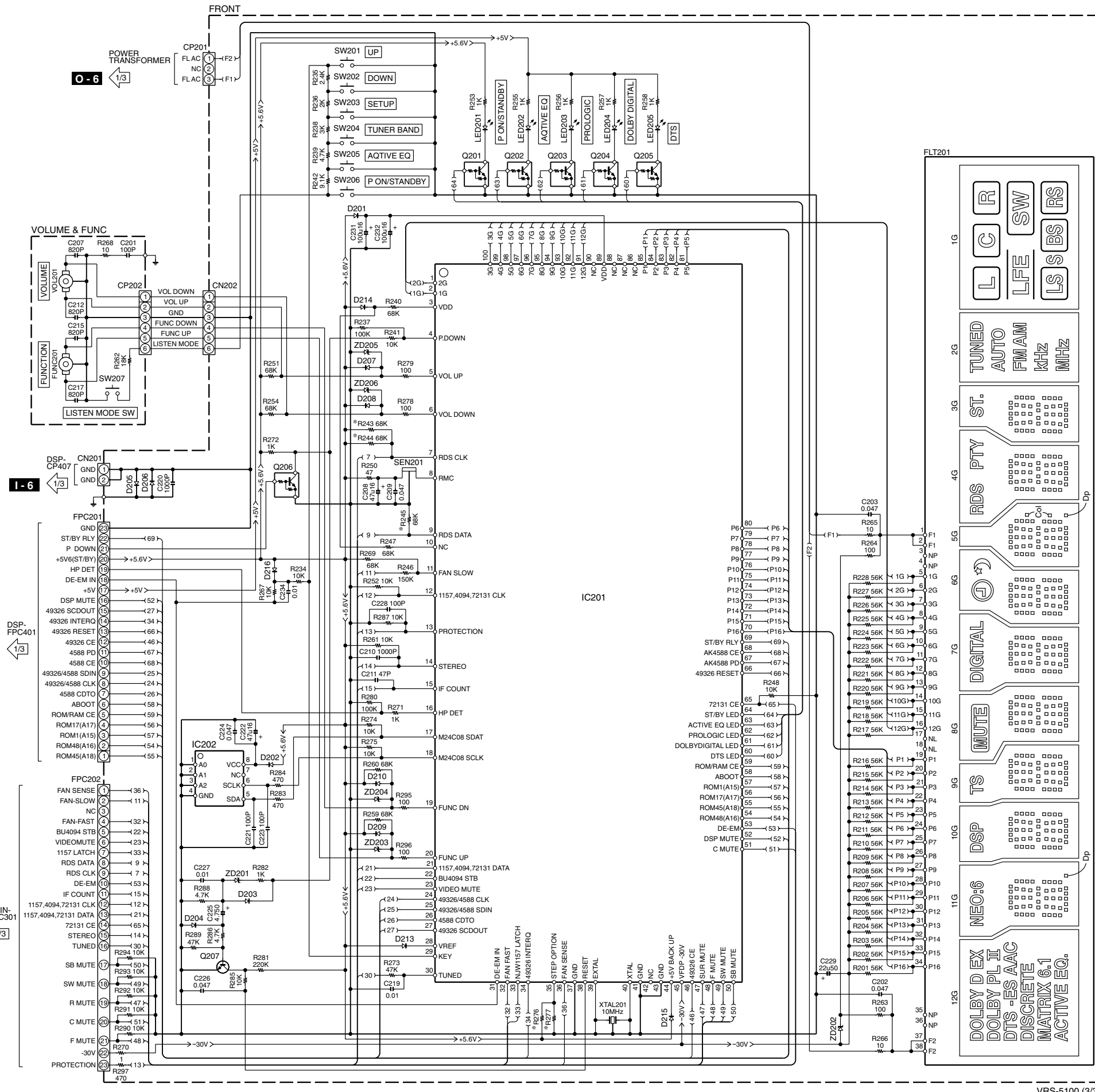




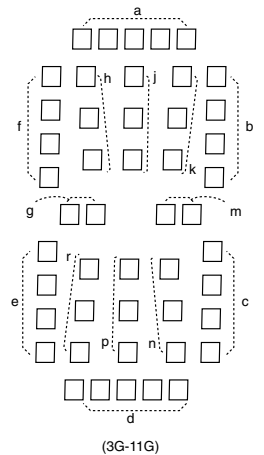
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

VRS-5100



	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	EX	a	a	a	a	a	a	a	a	a	a	R
P2	DOLBY D	b	b	b	b	b	b	b	b	b	b	(R)
P3	DOLBY PL	f	f	f	f	f	f	f	f	f	f	C
P4	II	j	j	j	j	j	j	j	j	j	j	(C)
P5	DTS	h	h	h	h	h	h	h	h	h	h	L
P6	-ES	k	k	k	k	k	k	k	k	k	k	(L)
P7	AAC	g	g	g	g	g	g	g	g	g	g	SW
P8	DISCRETE	m	m	m	m	m	m	m	m	m	m	(SW)
P9	MATRIX	r	r	r	r	r	r	r	r	r	r	LFE
P10	6.1	n	n	n	n	n	n	n	n	n	n	RS
P11	ACTIVE EQ	p	p	p	p	p	p	p	p	p	p	TUNED (RS)
P12		c	c	c	c	c	c	c	c	c	c	AUTO BS
P13		e	e	e	e	e	e	e	e	e	e	AM (BS)
P14		d	d	d	d	d	d	d	d	d	d	FM S
P15		NEO:6 DSP TS	(MUTE)	DIGITAL	(Co)	RDS ST	kHz	LS				
P16		Dp					Dp	PTY		MHz		(LS)



- IC201 : CXP82860-505Q
- IC202 : M24C08-WMN6
- Q201-206 : KRC102S
- Q207 : KTC3875S
- D201-210,213-216 : 1N4148W
- ZD201 : MTZJ3.3B
- ZD202 : MTZJ6.2B
- ZD203-206 : MTZJ5.1B
- LED201-205 : B30-2675-08

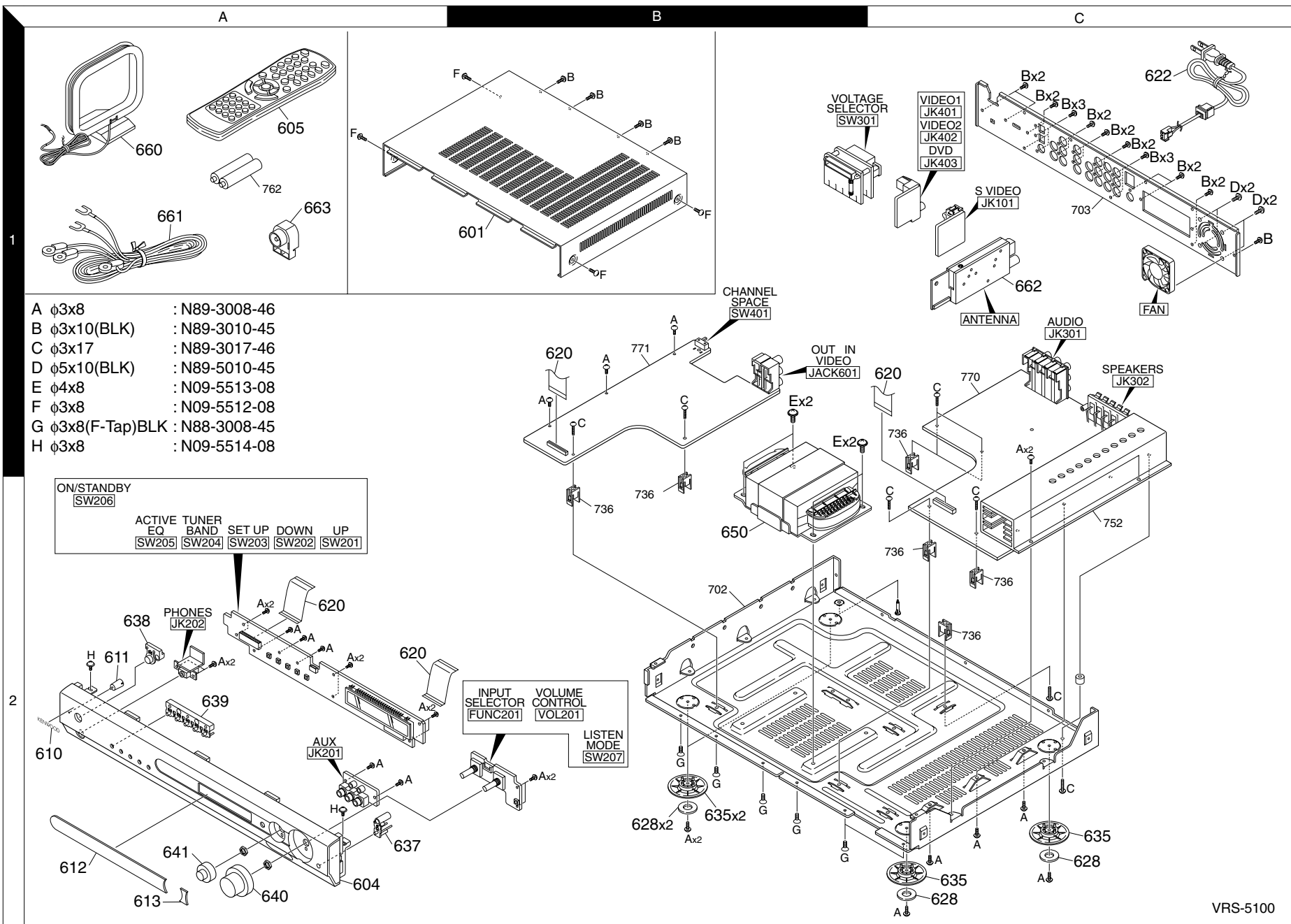
DESTINATION	R243	R276	R277
COUNTRY	ABB	245	15K 10K
PX	Y	NO	15K 10K
EUROPE	E	YES	5.1K 47K
AUSTRALIA	X	NO	NO 47K

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

EXPLODED VIEW

VRS-5100



VRS-5100

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1

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
VRS-5100						
601	1B	*	A01-3939-08	CABINET 3000210456000		
604	2A	*	A60-2399-08	PANEL 3067211681000	E	
604	2A	*	A60-2401-08	PANEL 3067211681020	XY	
605	1A	*	A70-1665-08	REMOCON 8300470300010	E	
605	1A	*	A70-1666-08	REMOCON 8300470300020	XY	
-		*	B60-5473-08	INSTRUCTION MAN5707047420180		
-		*	B60-5474-08	INSTRUCTION MAN5707047420200	E	
610	2A	*	B43-0336-04	BADGE 5630000721010	E	
611	2A	*	B19-1669-08	LENS 3710210493000		
612	2A	*	B10-5542-08	WINDOW 50772111102000		
613	2A	*	B10-5544-08	WINDOW 5077211112000		
Δ 620	2A,1B	*	E35-3704-08	CABLE,FLAT CARDL301700230020	Y	
Δ 622	1C	*	E30-7326-08	CORD ASSY L068000000210	X	
Δ 622	1C	*	E30-7327-08	CORD ASSY L068040230040	E	
Δ 622	1C	*	E30-7328-08	CORD ASSY L068040270030		
Δ FAN	1C	*	F09-0189-08	FAN,DC G720124500090	F	
628	2B,2C	*	G13-2526-08	CUSHION 4050210375000		
-		*	H10-7926-08	CUSHION,SNOW 6230210954000		
-		*	H50-4939-08	BOX,GIFT 6007210640000	E	
-		*	H50-4941-08	BOX,GIFT 6007210640020	XY	
635	2B,2C	*	J02-1568-08	FOOT 4000210241000		
637	2A	*	K29-8397-08	BUTTON 5097212261000		
638	2A	*	K29-8398-08	BUTTON 5097212271000		
639	2A	*	K29-8399-08	BUTTON 5097212281000		
640	2A	*	K29-8400-08	KNOB 5087210881000		
641	2A	*	K29-8401-08	KNOB 5087210891000		
Δ 650	2B	*	L07-3295-08	POWER TRANS 8200960840010	E	
Δ 650	2B	*	L07-3297-08	POWER TRANS 8200960840030	Y	
Δ 650	2B	*	L07-3298-08	POWER TRANS 8200960840040	X	
660	1A	*	T90-0903-08	ANTENNA,LOOP E601016000000		
661	1A	*	T90-0913-08	ANTENNA,WIRE E605010010000		
662	1C	*	W02-4565-08	TUNER,FM/AM E903011200010	XY	
662	1C	*	W02-4567-08	TUNER,FM/AM E903114100050	E	
663	1A	*	T90-0914-08	ANTENNA ADAPTER		
MAIN						
C301			CK73GB1H103K	CHIP C 0.010UF K		
C304C			CK73GB1H105Z	CHIP C 1.0UF Z		
C304F			CK73GB1H105Z	CHIP C 1.0UF Z		
C304S			CK73GB1H105Z	CHIP C 1.0UF Z		
C304SB			CK73GB1H105Z	CHIP C 1.0UF Z		
C304SW			CK73GB1H105Z	CHIP C 1.0UF Z		
C305L			CK73GB1H101J	CHIP C 100PF J		
C305R			CK73GB1H101J	CHIP C 100PF J		
C307L			CK73GB1H221K	CHIP C 220PF K		
C307R			CK73GB1H221K	CHIP C 220PF K		
C309L			CK73GB1H101J	CHIP C 100PF J		
C309R			CK73GB1H101J	CHIP C 100PF J		
C310L			CK73GB1H221K	CHIP C 220PF K		
C310R			CK73GB1H221K	CHIP C 220PF K		
C311L			CK73GB1H221K	CHIP C 220PF K		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

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2

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C311R			CK73GB1H221K	CHIP C 220PF K		
C312L			CE04KW1H100M	ELECTRO 10UF 50WV		
C312R			CE04KW1H100M	ELECTRO 10UF 50WV		
C313L			CK73GB1H101J	CHIP C 100PF J		
C313R			CK73GB1H101J	CHIP C 100PF J		
C314L			CE04KW1H100M	ELECTRO 10UF 50WV		
C314R			CE04KW1H100M	ELECTRO 10UF 50WV		
C315L			CK73GB1H101J	CHIP C 100PF J		
C315R			CK73GB1H101J	CHIP C 100PF J		
C316L			CE04KW1H100M	ELECTRO 10UF 50WV		
C316R			CE04KW1H100M	ELECTRO 10UF 50WV		
C317L			CE04KW1H100M	ELECTRO 10UF 50WV		
C317R			CE04KW1H100M	ELECTRO 10UF 50WV		
C318L			CK73GB1H101J	CHIP C 100PF J		
C318R			CK73GB1H101J	CHIP C 100PF J		
C319			CE04KW1H100M	ELECTRO 10UF 50WV		
C319L			CE04KW1H100M	ELECTRO 10UF 50WV		
C319R			CE04KW1H100M	ELECTRO 10UF 50WV		
C320			CE04KW1H100M	ELECTRO 10UF 50WV		
C321			CE04KW1H100M	ELECTRO 10UF 50WV		
C322			CE04KW1H100M	ELECTRO 10UF 50WV		
C323L			CE04KW1H100M	ELECTRO 10UF 50WV		
C323R			CE04KW1H100M	ELECTRO 10UF 50WV		
C325			CK73GB1H472K	CHIP C 4700PF K		
C326			CK73GB1H224K	CHIP C 0.22UF K		
C327			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C328			CK73GB1H472K	CHIP C 4700PF K		
C329			CK73GB1H224K	CHIP C 0.22UF K		
C330			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C331,2			CE04KW1A101M	ELECTRO 100UF 10WV		
C333-5			CK73GB1H101J	CHIP C 100PF J		
C336			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C337,338			CE04KW1H100M	ELECTRO 10UF 50WV		
C339-41			CC73GCH1H470J	CHIP C 47PF J		
C343-5			CK73GB1H101J	CHIP C 100PF J		
C346			CK73GB1H104K	CHIP C 0.10UF K		
C347			CC73GCH1H470J	CHIP C 47PF J		
C348			CK73GB1H104K	CHIP C 0.10UF K		
C348LB			CK73GB1H473K	CHIP C 0.047UF K		
C348SW			CK73GB1H473K	CHIP C 0.047UF K		
C349			CK73GB1H104K	CHIP C 0.10UF K		
C349SW			CK73GB1H102K	CHIP C 1000PF K		
C350			CK73GB1H102K	CHIP C 1000PF K		
C350SW			CE04KW1H100M	ELECTRO 10UF 50WV		
C351			CE04KW1C470M	ELECTRO 47UF 16WV		
C352C			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352L			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352LB			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352R			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352RB			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352SL			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352SR			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C352SW			CE04KW1H100M	ELECTRO 10UF 50WV		
C359			CE04KW1E220M	ELECTRO 22UF 25WV		
C362			CK73GB1H223K	CHIP C 0.022UF K		

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C368-73 C374 C375-7 C378 C379		*	C91-1677-08 CE04KW1C682M CE04KW1E101M CE04KW1E222M CE04KW1E102M	FILM 0.047UF 100WV ELECTRO 6800UF 16WV ELECTRO 100UF 25WV ELECTRO 2200UF 25WV ELECTRO 1000UF 25WV		
C380,1 C382-5 C386-91 C392-5 C396		*	CE04KW1H682M C91-1677-08 C91-1677-08 CK73GB1H101J CK73GB1H473K	ELECTRO 6800UF 50WV FILM 0.047UF 100WV FILM 0.047UF 100WV CHIP C 100PF J CHIP C 0.047UF K	EX	
C397 C398 C399 C400 C401			CE04KW1A331M CE04KW1H0R1M CE04KW1C101M CE04KW1A101M CE04KW1A331M	ELECTRO 330UF 10WV ELECTRO 0.1UF 50WV ELECTRO 100UF 16WV ELECTRO 100UF 10WV ELECTRO 330UF 10WV		
C402,3 C404 C406 C408 C409			CK73GB1H473K CE04KW1H4R7M CE04KW1H331M CE04KW1H100M CK73GB1H103K	CHIP C 0.047UF K ELECTRO 4.7UF 50WV ELECTRO 330UF 50WV ELECTRO 10UF 50WV CHIP C 0.010UF K		
C410 C411 C412 C412C C412L		*	CK73GB1H101J CE04KW1H4R7M CK73GB1H101J C91-1678-08 C91-1678-08	CHIP C 100PF J ELECTRO 4.7UF 50WV CHIP C 100PF J FILM 0.1UF 100WV FILM 0.1UF 100WV		
C412R C412SL C412SR C412SW C413		*	C91-1678-08 C91-1678-08 C91-1678-08 C91-1678-08 CE04KW1E220M	FILM 0.1UF 100WV FILM 0.1UF 100WV FILM 0.1UF 100WV FILM 0.1UF 100WV ELECTRO 22UF 25WV		
C413C C413L C413R C413SL C413SR		*	CE04KW1H4R7M CE04KW1H4R7M CE04KW1H4R7M CE04KW1H4R7M CE04KW1H4R7M	ELECTRO 4.7UF 50WV ELECTRO 4.7UF 50WV ELECTRO 4.7UF 50WV ELECTRO 4.7UF 50WV ELECTRO 4.7UF 50WV		
C413SW C414 C414C C414L C414R		*	CE04KW1H100M CE04KW1H0R1M CK73GB1H223K CK73GB1H223K CK73GB1H223K	ELECTRO 10UF 50WV ELECTRO 0.1UF 50WV CHIP C 0.022UF K CHIP C 0.022UF K CHIP C 0.022UF K		
C414SL C414SR C414SW C419 C419C		*	CK73GB1H223K CK73GB1H223K CK73GB1H223K CK73GB1H101J CC73GCH1H100J	CHIP C 0.022UF K CHIP C 0.022UF K CHIP C 0.022UF K CHIP C 100PF J CHIP C 10PF J		
C419L C419R C419SL C419SR C419SW		*	CC73GCH1H100J CC73GCH1H100J CC73GCH1H100J CC73GCH1H100J CC73GCH1H100J	CHIP C 10PF J CHIP C 10PF J CHIP C 10PF J CHIP C 10PF J CHIP C 10PF J		
C420 C420C C420L C420R C420SL		*	CK73GB1H101J CK73GB1H221K CK73GB1H221K CK73GB1H221K CK73GB1H221K	CHIP C 100PF J CHIP C 220PF K CHIP C 220PF K CHIP C 220PF K CHIP C 220PF K		

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4

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C420SR C420SW C421 C421C C421L			CK73GB1H221K CK73GB1H221K CE04KW1C101M CE04KW1A101M CE04KW1A101M	CHIP C 220PF K CHIP C 220PF K ELECTRO 100UF 16WV ELECTRO 100UF 10WV ELECTRO 100UF 10WV		
C421R C421SL C421SR C421SW C422C			CE04KW1A101M CE04KW1A101M CE04KW1A101M CE04KW1A221M CK73GB1H221K	ELECTRO 100UF 10WV ELECTRO 100UF 10WV ELECTRO 100UF 10WV ELECTRO 220UF 10WV CHIP C 220PF K		
C422L C422R C422SL C422SR C422SW			CK73GB1H221K CK73GB1H221K CK73GB1H221K CK73GB1H221K CK73GB1H221K	CHIP C 220PF K CHIP C 220PF K CHIP C 220PF K CHIP C 220PF K CHIP C 220PF K		
C423C C423L C423R C424 C425			CC73GCH1H470J CC73GCH1H470J CC73GCH1H470J CE04KW1H101M CE04KW1H101M	CHIP C 47PF J CHIP C 47PF J CHIP C 47PF J ELECTRO 100UF 50WV ELECTRO 100UF 50WV		
C426 C427 C428 C429 C430			CE04KW1H221M CE04KW1H221M CE04KW1H221M CE04KW1H101M CE04KW1H101M	ELECTRO 220UF 50WV ELECTRO 220UF 50WV ELECTRO 220UF 50WV ELECTRO 100UF 50WV ELECTRO 100UF 50WV		
C431 C432C C432L C432LB C432R			CE04KW1H221M CK73GB1H471K CK73GB1H471K CK73GB1H471K CK73GB1H471K	ELECTRO 220UF 50WV CHIP C 470PF K CHIP C 470PF K CHIP C 470PF K CHIP C 470PF K		
C432RB C432SL C432SR C432SW C434			CK73GB1H471K CK73GB1H471K CK73GB1H471K CK73GB1H471K CE04KW1H4R7M	CHIP C 470PF K CHIP C 470PF K CHIP C 470PF K CHIP C 470PF K ELECTRO 4.7UF 50WV		
C435			CE04KW1H100M	ELECTRO 10UF 50WV		
CP301.2 FPC301 JACK301 JACK302		*	E41-1276-08 E41-1277-08 E63-1360-08 E70-0187-08	CN.FPC 1.25MM L131019000010 CN.FPC 1.25MM L131112300010 TER,RCA G6081201A070Y TER,BOARD PUSH G5901201C0600		
Δ F301		*	F50-0257-08	FUSE GLASS TUBEN751225001110	Y	
L301C L301L L301R L301SL L301SR		*	L39-1630-08 L39-1630-08 L39-1630-08 L39-1630-08 L39-1630-08	COIL,FILTER-INDD330900001320 COIL,FILTER-INDD330900001320 COIL,FILTER-INDD330900001320 COIL,FILTER-INDD330900001320 COIL,FILTER-INDD330900001320		
L301SW		*	L39-1630-08	COIL,FILTER-INDD330900001320		
J476-8 J480 J482-4 J486 J488-90			RK73GB1J000J RK73GB1J000J RK73GB1J000J RK73GB1J000J RK73GB1J000J	CHIP R 0.0 J 1/16W CHIP R 0.0 J 1/16W CHIP R 0.0 J 1/16W CHIP R 0.0 J 1/16W CHIP R 0.0 J 1/16W		

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PARTS LIST

VRS-5100

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R301C			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R301L			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R301R			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R301SL			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R301SR			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R301SW			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	
R302			RK73GB1J4R7J	CHIP R	4.7	J	1/16W	
R303			RK73GB1J151J	CHIP R	150	J	1/16W	
R304C			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R304F			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R304LB			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R304S			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R304SW			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R305L			RK73GB1J471J	CHIP R	470	J	1/16W	
R305R			RK73GB1J471J	CHIP R	470	J	1/16W	
R306L			RK73GB1J104J	CHIP R	100K	J	1/16W	
R306R			RK73GB1J104J	CHIP R	100K	J	1/16W	
R307L			RK73GB1J471J	CHIP R	470	J	1/16W	
R307R			RK73GB1J471J	CHIP R	470	J	1/16W	
R308L			RK73GB1J104J	CHIP R	100K	J	1/16W	
R308R			RK73GB1J104J	CHIP R	100K	J	1/16W	
R309L			RK73GB1J471J	CHIP R	470	J	1/16W	
R309R			RK73GB1J471J	CHIP R	470	J	1/16W	
R310L			RK73GB1J104J	CHIP R	100K	J	1/16W	
R310R			RK73GB1J104J	CHIP R	100K	J	1/16W	
R311L			RK73GB1J471J	CHIP R	470	J	1/16W	
R311R			RK73GB1J471J	CHIP R	470	J	1/16W	
R312L			RK73GB1J104J	CHIP R	100K	J	1/16W	
R312R			RK73GB1J104J	CHIP R	100K	J	1/16W	
R313C			RK73GB1J153J	CHIP R	15K	J	1/16W	
R313L			RK73GB1J153J	CHIP R	15K	J	1/16W	
R313R			RK73GB1J153J	CHIP R	15K	J	1/16W	
R313SL			RK73GB1J153J	CHIP R	15K	J	1/16W	
R313SR			RK73GB1J153J	CHIP R	15K	J	1/16W	
R313SW			RK73GB1J132J	CHIP R	1.3K	J	1/16W	
R314			RK73GB1J153J	CHIP R	15K	J	1/16W	
R315			RK73GB1J153J	CHIP R	15K	J	1/16W	
R318,9			RS14GB3A101J	FL-PROOF RS	100	J	1W	
R320-6			RK73GB1J151J	CHIP R	150	J	1/16W	
R321			RK73GB1J151J	CHIP R	150	J	1/16W	X
R327-9			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R330			RK73GB1J223J	CHIP R	22K	J	1/16W	EX
R330SW			RK73GB1J471J	CHIP R	470	J	1/16W	
R331			RK73GB1J104J	CHIP R	100K	J	1/16W	
R331SW			RK73GB1J473J	CHIP R	47K	J	1/16W	
R332			RK73GB1J302J	CHIP R	3.0K	J	1/16W	
R333			RK73GB1J104J	CHIP R	100K	J	1/16W	
R333SW			RK73GB1J471J	CHIP R	470	J	1/16W	
R334			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335C			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335L			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335LB			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335R			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335RB			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335SL			RK73GB1J102J	CHIP R	1.0K	J	1/16W	

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R335SR			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R335SW			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R336C			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336L			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336LB			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336R			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336SL			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336SR			RK73GB1J223J	CHIP R	22K	J	1/16W	
R336SW			RK73GB1J223J	CHIP R	22K	J	1/16W	
R337C			RK73GB1J474J	CHIP R	470K	J	1/16W	
R337F			RK73GB1J474J	CHIP R	470K	J	1/16W	
R337S			RK73GB1J474J	CHIP R	470K	J	1/16W	
R337SB			RK73GB1J474J	CHIP R	470K	J	1/16W	
R337SV			RK73GB1J474J	CHIP R	470K	J	1/16W	
R338C			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338L			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338LB			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338R			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338RB			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338SL			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338SR			RK73GB1J104J	CHIP R	100K	J	1/16W	
R338SW			RK73GB1J104J	CHIP R	100K	J	1/16W	
R348			RK73GB1J822J	CHIP R	8.2K	J	1/16W	
R349			RK73GB1J104J	CHIP R	100K	J	1/16W	
R350			RK73GB1J222J	CHIP R	2.2K	J	1/16W	
R351			RK73GB1J103J	CHIP R	10K	J	1/16W	
R352			RK73GB1J104J	CHIP R	100K	J	1/16W	
R353			RK73GB1J105J	CHIP R	1.0M	J	1/16W	
R355			RS14GB3A220J	FL-PROOF RS	22	J	1W	
R356-8			RS14GB3A220J	FL-PROOF RS	22	J	1W	
R356-8			RS14GB3A222J	FL-PROOF RS	2.2K	J	1W	XY
R359			RK73GB1J105J	CHIP R	1.0M	J	1/16W	
R360			RK73GB1J104J	CHIP R	100K	J	1/16W	
R363	*		R92-4667-08	FL-PROOF RS	0.22	J	1W	
R368,9	*		RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R370			RK73GB1J103J	CHIP R	10K	J	1/16W	
R371			RK73GB1J222J	CHIP R	2.2K	J	1/16W	
R375,6			RS14GB3A561J	FL-PROOF RS	560	J	1W	
⚠ R377-80	*		R92-4667-08	FL-PROOF RS	0.22	J	1W	
R381	*		RK73GB1J273J	CHIP R	27K	J	1/16W	
R382			RK73GB1J273J	CHIP R	27K	J	1/16W	
R383			RK73GB1J273J	CHIP R	27K	J	1/16W	
R385			RK73GB1J223J	CHIP R	22K	J	1/16W	
R386,7	*		R92-4665-08	CEMENT	0.1	J	5W	
R388	*		RK73GB1J564J	CHIP R	560K	J	1/16W	
R391			RK73GB1J223J	CHIP R	22K	J	1/16W	
R393			RK73GB1J564J	CHIP R	560K	J	1/16W	
R394			RK73GB1J222J	CHIP R	2.2K	J	1/16W	
R395			RK73GB1J362J	CHIP R	3.6K	J	1/16W	
R396			RK73GB1J222J	CHIP R	2.2K	J	1/16W	
R398			RK73GB1J332J	CHIP R	3.3K	J	1/16W	
R399			RK73GB1J103J	CHIP R	10K	J	1/16W	
R400			RK73GB1J473J	CHIP R	47K	J	1/16W	
R401			RK73GB1J103J	CHIP R	10K	J	1/16W	
R402			RK73GB1J104J	CHIP R	100K	J	1/16W	

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R403,4			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R405,6			RK73GB1J223J	CHIP R 22K J 1/16W		
R410			RK73GB1J223J	CHIP R 22K J 1/16W		
R411			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R412			RK73GB1J104J	CHIP R 100K J 1/16W		
R413			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R414			RK73GB1J104J	CHIP R 100K J 1/16W		
R414C			RK73GB1J471J	CHIP R 470 J 1/16W		
R414L			RK73GB1J471J	CHIP R 470 J 1/16W		
R414R			RK73GB1J471J	CHIP R 470 J 1/16W		
R414SL			RK73GB1J471J	CHIP R 470 J 1/16W		
R414SR			RK73GB1J471J	CHIP R 470 J 1/16W		
R414SW			RK73GB1J471J	CHIP R 470 J 1/16W		
R415			RK73GB1J104J	CHIP R 100K J 1/16W		
R415C			RK73GB1J563J	CHIP R 56K J 1/16W		
R415L			RK73GB1J563J	CHIP R 56K J 1/16W		
R415R			RK73GB1J563J	CHIP R 56K J 1/16W		
R415SL			RK73GB1J563J	CHIP R 56K J 1/16W		
R415SR			RK73GB1J563J	CHIP R 56K J 1/16W		
R415SW			RK73GB1J563J	CHIP R 56K J 1/16W		
R416			RK73GB1J104J	CHIP R 100K J 1/16W		
R416C			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R416L			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R416R			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R416SL			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R416SR			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R416SW			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R417			RS14GB3A101J	FL-PROOF RS 100 J 1W		
R418			RK73GB1J103J	CHIP R 10K J 1/16W		
R419-21			RS14GB3A101J	FL-PROOF RS 100 J 1W		
R422			RK73GB1J103J	CHIP R 10K J 1/16W		
R423			RK73GB1J104J	CHIP R 100K J 1/16W		
R423C			RK73GB1J154J	CHIP R 150K J 1/16W		
R423L			RK73GB1J154J	CHIP R 150K J 1/16W		
R423R			RK73GB1J154J	CHIP R 150K J 1/16W		
R423SL			RK73GB1J154J	CHIP R 150K J 1/16W		
R423SR			RK73GB1J154J	CHIP R 150K J 1/16W		
R423SW			RK73GB1J154J	CHIP R 150K J 1/16W		
R424			RK73GB1J104J	CHIP R 100K J 1/16W		
R424C			RK73GB1J103J	CHIP R 10K J 1/16W		
R424L			RK73GB1J103J	CHIP R 10K J 1/16W		
R424R			RK73GB1J103J	CHIP R 10K J 1/16W		
R424SL			RK73GB1J103J	CHIP R 10K J 1/16W		
R424SR			RK73GB1J103J	CHIP R 10K J 1/16W		
R424SW			RK73GB1J103J	CHIP R 10K J 1/16W		
R425			RK73GB1J101J	CHIP R 100 J 1/16W		
R425C			RK73GB1J103J	CHIP R 10K J 1/16W		
R425L			RK73GB1J103J	CHIP R 10K J 1/16W		
R425R			RK73GB1J103J	CHIP R 10K J 1/16W		
R425SL			RK73GB1J103J	CHIP R 10K J 1/16W		
R425SR			RK73GB1J103J	CHIP R 10K J 1/16W		
R425SW			RK73GB1J103J	CHIP R 10K J 1/16W		
R426			RK73GB1J273J	CHIP R 27K J 1/16W		
R427			RK73GB1J101J	CHIP R 100 J 1/16W		
R428			RK73GB1J104J	CHIP R 100K J 1/16W		

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R428C		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R428L		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R428R		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R428SL		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R428SR		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R428SW		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429C		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429L		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429R		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429SL		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429SR		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R429SW		*	R92-4666-08	FL-PROOF RS 0.22 J 2W		
R430			RK73GB1J101J	CHIP R 100 J 1/16W		
R430C			RK73GB1J563J	CHIP R 56K J 1/16W		
R430L			RK73GB1J563J	CHIP R 56K J 1/16W		
R430R			RK73GB1J563J	CHIP R 56K J 1/16W		
R430SL			RK73GB1J563J	CHIP R 56K J 1/16W		
R430SR			RK73GB1J563J	CHIP R 56K J 1/16W		
R430SW			RK73GB1J563J	CHIP R 56K J 1/16W		
R431			RK73GB1J101J	CHIP R 100 J 1/16W		
R431C			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R431L			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R431R			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R431SL			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R431SR			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R431SW			RS14GB3A4R7J	FL-PROOF RS 4.7 J 1W		
R432C			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R432L			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R432R			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R433,4			RK73GB1J100J	CHIP R 10 J 1/16W		
R435			RK73GB1J103J	CHIP R 10K J 1/16W		
R436-41			RK73GB1J104J	CHIP R 100K J 1/16W		
Δ RLY301-4		*	S76-0142-08	RELAY G680120502040	E	
SW301		*	S62-0120-08	SW,SLIDE G060268320010	Y	
Δ BD301		*	GBJ1006	D,RECTIFIER BRIK047100600010		
D301-17		*	1N4148W	D,SWITCHING CHIK005041480020		
D319		*	1N4148W	D,SWITCHING CHIK005041480020		
D320		*	1SS133T	D,SWITCHING K000013300520		
D321-7		*	1N4148W	D,SWITCHING CHIK005041480020		
Δ D328		*	1SS133T	D,SWITCHING K000013300520		
D329-36		*	IN4007	D,SWITCHING K000400700520		
D337C		*	1N4148W	D,SWITCHING CHIK005041480020		
D337L		*	1N4148W	D,SWITCHING CHIK005041480020		
D337R		*	1N4148W	D,SWITCHING CHIK005041480020		
D337SL		*	1N4148W	D,SWITCHING CHIK005041480020		
D337SR		*	1N4148W	D,SWITCHING CHIK005041480020		
D337SW		*	1N4148W	D,SWITCHING CHIK005041480020		
D338-42		*	1N4148W	D,SWITCHING CHIK005041480020		
D343		*	IN4007	D,SWITCHING K000400700520		
D345		*	1N4148W	D,SWITCHING CHIK005041480020		
DZ310,1			MTZJ7.5B	D,ZENER K06007R544520		
DZ312			MTZJ30B	D,ZENER K06030R044520		
DZ314			MTZJ4.3B	D,ZENER K06004R344520		
DZ315			MTZJ7.5B	D,ZENER K06007R544520		

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DZ316 DZ317 DZ319 IC301 IC302		*	MTZJ4.3B MTZJ13B MTZJ4.3B NUJW1157 BA4558F	D.ZENER K06004R344520 D.ZENER K06013R044520 D.ZENER K06004R344520 IC,ELECT VR J084115700010 IC(OP AMP X2) J121455800140		
IC303 IC304 IC306 IC307 IC308		*	BU4094BCF-E2 MM74HC4052 KIA7912PI CJ7812F CJ7805F	IC(8-STAGE SHIFT/STORE REGISTE IC,LOGIC J040744052040 IC(ANALOGUE IC)J126791200060 IC,LINEAR-REGULJ126781200220 IC,LINEAR-REGULJ126780500400		
IC309,10 POSISTOR Q307-11 Q312-8 Q319		*	STK402-270 P43T8D100BW70 KRA107S KTC2875B KTC2026Y	IC,LINEAR POWERJ122402270010 POSISTOR F320550001070 SEMI,CHIP TR/PNJ5200107S0050 SEMI,CHIP TR/NPJ522875B0010 SEMI,TR/GE NPN J5032026Y0010		
Q320 Q321,2 Q323 Q324-6 Q327		*	KRA102M KTC3198Y KTC2875B KTC3198Y KTA1268BL	SEMI,BRT/PNP RAJ6002202M0010 SEMI,TR/GE NPN J5023198Y0000 SEMI,CHIP TR/NPJ522875B0010 SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE PNP J5001268B0050		
Q328,9 Q330 Q331 Q332-5 Q336		*	KTC3198Y KTA1268BL KTC3198Y KRC107S KSA992F	SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE PNP J5001268B0050 SEMI,TR/GE NPN J5023198Y0000 SEMI,CHIP TR/NPJ522107S00210 SEMI,TR/GE PNP J5000992F0050		
Q337,8 Q339 Q340 Q341 Q342		*	KTA1268BL KSA916Y KTC3200BL KTA1268BL KRA102M	SEMI,TR/GE PNP J5001268B0050 SEMI,TR/GE PNP J5000916Y0050 SEMI,TR/GE NPN J5023200B0050 SEMI,TR/GE PNP J5001268B0050 SEMI,BRT/PNP RAJ6002202M0010		
Q342C Q342L Q342R Q342SL Q342SR			KTC3198Y KTC3198Y KTC3198Y KTC3198Y KTC3198Y	SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE NPN J5023198Y0000 SEMI,TR/GE NPN J5023198Y0000		
Q342SW			KTC3198Y	SEMI,TR/GE NPN J5023198Y0000		
FRONT						
FLT201 LED201-5		*	HNA-12SM54T B30-2675-08	DISPLAY,FLT K530125400010 LED,ROUND K500032000130		
C101,2 C103 C104 C105,6 C107			CE04KW0J471M CE04KW1C101M CK73GB1H473K CE04KW1H100M CE04KW1C101M	ELECTRO 470UF 6.3WV ELECTRO 100UF 16WV CHIP C 0.047UF K ELECTRO 10UF 50WV ELECTRO 100UF 16WV	Y Y Y Y Y	
C108 C109,10 C111 C201 C202,3			CK73GB1H473K CE04KW1H100M CK73GB1H102K CK73GB1H101J CK73GB1H473K	CHIP C 0.047UF K ELECTRO 10UF 50WV CHIP C 1000PF K CHIP C 100PF J CHIP C 0.047UF K	Y Y Y Y Y	
C204,5 C206,7 C208 C209 C210			CK73GB1H101J CK73GB1H102K CE04KW1C470M CK73GB1H473K CK73GB1H102K	CHIP C 100PF J CHIP C 1000PF K ELECTRO 47UF 16WV CHIP C 0.047UF K CHIP C 1000PF K		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C211 C212 C213,4 C215 C216			CC73GCH1H470J CK73GB1H821K CK73GB1H103K CK73GB1H821K CK73GB1H103K	CHIP C 47PF J CHIP C 820PF K CHIP C 0.010UF K CHIP C 820PF K CHIP C 0.010UF K		
C217 C218 C219 C220 C221			CK73GB1H821K CK73GB1H102K CK73GB1H103K CK73GB1H102K CK73GB1H101J	CHIP C 820PF K CHIP C 1000PF K CHIP C 0.010UF K CHIP C 1000PF K CHIP C 100PF J		
C222 C223 C224 C225 C226			CE04KW1C470M CK73GB1H101J CK73GB1H473K CE04KW1H4R7M CK73GB1H473K	ELECTRO 47UF 16WV CHIP C 100PF J CHIP C 0.047UF K ELECTRO 4.7UF 50WV CHIP C 0.047UF K		
C227 C228 C229 C230 C231,2			CK73GB1H103K CK73GB1H101J CE04KW1H220M CE04KW1H330M CE04KW1C101M	CHIP C 0.010UF K CHIP C 100PF J ELECTRO 22UF 50WV ELECTRO 33UF 50WV ELECTRO 100UF 16WV		
C233 C234 C235 C236 C237			CK73GB1H102K CK73GB1H103K CK73GB1H102K CE04KW1H100M CK73GB1H102K	CHIP C 1000PF K CHIP C 0.010UF K CHIP C 1000PF K ELECTRO 10UF 50WV CHIP C 1000PF K		
C401 C402 C403 C404 C405,6			CC73GCH1H220J CE04KW1A101M CC73GCH1H220J CE04KW1A101M CK73GB1H104K	CHIP C 22PF J ELECTRO 100UF 10WV CHIP C 22PF J ELECTRO 100UF 10WV CHIP C 0.10UF K		
C407 C408 C409-11 C412 C413			CC73GCH1H220J CE04KW1H0R1M CK73GB1H104K CK73GB1H102K CK73GB1H221K	CHIP C 22PF J ELECTRO 0.1UF 50WV CHIP C 0.10UF K CHIP C 1000PF K CHIP C 220PF K		
C414 C415 C416 C417 C418,9			CK73GB1H104K CE04KW1C470M CK73GB1H103K CE04KW1A221M CK73GB1H104K	CHIP C 0.10UF K ELECTRO 47UF 16WV CHIP C 0.010UF K ELECTRO 220UF 10WV CHIP C 0.10UF K		
C420 C421 C422 C423 C424			CE04KW1H2R2M CE04KW1A101M CK73GB1H104K CE04KW1H100M CE04KW1H010M	ELECTRO 2.2UF 50WV ELECTRO 100UF 10WV CHIP C 0.10UF K ELECTRO 10UF 50WV ELECTRO 1.0UF 50WV		
C425,6 C427 C428 C429 C430			CC73GCH1H270J CK73GB1H104K CE04KW1C470M CK73GB1H104K CE04KW1A101M	CHIP C 27PF J CHIP C 0.10UF K ELECTRO 47UF 16WV CHIP C 0.10UF K ELECTRO 100UF 10WV		
C431 C432 C433,4 C435 C436			CK73GB1H104K CE04KW1A221M CK73GB1H104K CE04KW1H100M CK73GB1H104K	CHIP C 0.10UF K ELECTRO 220UF 10WV CHIP C 0.10UF K ELECTRO 10UF 50WV CHIP C 0.10UF K		

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C437			CE04KW1A101M	ELECTRO 100UF 10WV		
C438,9			CE04KW1H100M	ELECTRO 10UF 50WV		
C440			CK73GB1H104K	CHIP C 0.10UF K		
C441			CE04KW1A221M	ELECTRO 220UF 10WV		
C442			CK73GB1H102K	CHIP C 1000PF K		
C443			CK73GB1H103K	CHIP C 0.010UF K		
C444			CE04KW1A101M	ELECTRO 100UF 10WV		
C445			CK73GB1H104K	CHIP C 0.10UF K		
C446,7			CK73GB1H221K	CHIP C 220PF K		
C448-50			CK73GB1H104K	CHIP C 0.10UF K		
C451			CK73GB1H101J	CHIP C 100PF J		
C451C			CE04KW1H100M	ELECTRO 10UF 50WV		
C451FL			CE04KW1H100M	ELECTRO 10UF 50WV		
C451FR			CE04KW1H100M	ELECTRO 10UF 50WV		
C451LB			CE04KW1H100M	ELECTRO 10UF 50WV		
C451LS			CE04KW1H100M	ELECTRO 10UF 50WV		
C451RB			CE04KW1H100M	ELECTRO 10UF 50WV		
C451RS			CE04KW1H100M	ELECTRO 10UF 50WV		
C451SW			CE04KW1H100M	ELECTRO 10UF 50WV		
C452			CK73GB1H104K	CHIP C 0.10UF K		
C452C			CK73GB1H681K	CHIP C 680PF K		
C452FL			CK73GB1H681K	CHIP C 680PF K		
C452FR			CK73GB1H681K	CHIP C 680PF K		
C452LB			CK73GB1H681K	CHIP C 680PF K		
C452LS			CK73GB1H681K	CHIP C 680PF K		
C452RB			CK73GB1H681K	CHIP C 680PF K		
C452RS			CK73GB1H681K	CHIP C 680PF K		
C452SW			CK73GB1H681K	CHIP C 680PF K		
C453			CK73GB1H104K	CHIP C 0.10UF K		
C453C			CK73GB1H681K	CHIP C 680PF K		
C453FL			CK73GB1H681K	CHIP C 680PF K		
C453FR			CK73GB1H681K	CHIP C 680PF K		
C453LB			CK73GB1H681K	CHIP C 680PF K		
C453LS			CK73GB1H681K	CHIP C 680PF K		
C453RB			CK73GB1H681K	CHIP C 680PF K		
C453RS			CK73GB1H681K	CHIP C 680PF K		
C453SW			CK73GB1H331J	CHIP C 330PF J		
C454			CC73GCH1H100J	CHIP C 10PF J		
C454C			CE04KW1H100M	ELECTRO 10UF 50WV		
C454FL			CE04KW1H100M	ELECTRO 10UF 50WV		
C454FR			CE04KW1H100M	ELECTRO 10UF 50WV		
C454LB			CE04KW1H100M	ELECTRO 10UF 50WV		
C454LS			CE04KW1H100M	ELECTRO 10UF 50WV		
C454RB			CE04KW1H100M	ELECTRO 10UF 50WV		
C454RS			CE04KW1H100M	ELECTRO 10UF 50WV		
C454SW			CE04KW1H100M	ELECTRO 10UF 50WV		
C455C			CK73GB1H332K	CHIP C 3300PF K		
C455FL			CK73GB1H332K	CHIP C 3300PF K		
C455FR			CK73GB1H332K	CHIP C 3300PF K		
C455LB			CK73GB1H332K	CHIP C 3300PF K		
C455LS			CK73GB1H332K	CHIP C 3300PF K		
C455RB			CK73GB1H332K	CHIP C 3300PF K		
C455RS			CK73GB1H332K	CHIP C 3300PF K		
C455SW			CK73GB1H332K	CHIP C 3300PF K		
C456C			CE04KW1H100M	ELECTRO 10UF 50WV		

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C456FL			CE04KW1H100M	ELECTRO 10UF 50WV		
C456FR			CE04KW1H100M	ELECTRO 10UF 50WV		
C456LB			CE04KW1H100M	ELECTRO 10UF 50WV		
C456LS			CE04KW1H100M	ELECTRO 10UF 50WV		
C456RB			CE04KW1H100M	ELECTRO 10UF 50WV		
C456RS			CE04KW1H100M	ELECTRO 10UF 50WV		
C456SW			CE04KW1H100M	ELECTRO 10UF 50WV		
C457-64			CK73GB1H104K	CHIP C 0.10UF K		
C465,6			CE04KW1C101M	ELECTRO 100UF 16WV		
C467			CE04KW1H0R1M	ELECTRO 0.1UF 50WV		
C469,70			CK73GB1H101J	CHIP C 100PF J		
C471			CK73GB1H104K	CHIP C 0.10UF K		
C501			CE04KW1C102M	ELECTRO 1000UF 16WV		
C502			CE04KW1H100M	ELECTRO 10UF 50WV		
C503			CK45FB1H104Z	CERAMIC 0.10UF Z		
C504-6		*	C91-1677-08	FILM 0.047UF 100WV		
C507			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C508		*	C91-1679-08	CERAMIC 4700PF K		
C509			CK45FB1H102K	CERAMIC 1000PF K		
C510			CK73GB1H102K	CHIP C 1000PF K		
C601-3			CE04KW1C470M	ELECTRO 47UF 16WV		
C604,5			CE04KW1A471M	ELECTRO 470UF 10WV		
C606			CE04KW1C101M	ELECTRO 100UF 16WV		
C607			CK73GB1H473K	CHIP C 0.047UF K		
C608-11			CK73GB1H221K	CHIP C 220PF K		
C612			CK73GB1H102K	CHIP C 1000PF K		
C612			CK73GB1H102K	CHIP C 1000PF K		EX Y
CN203		*	E41-1278-08	CN.FPC 1.25MM L131007000010		
CN401,2		*	E41-1279-08	CN.FPC 1.25MM L131019100010		
CP403		*	E41-1280-08	CN.FPC 1.25MM L131007100010		
FPC201,2		*	E41-1281-08	CN.FPC 1.25MM L131122300010		
FPC401,2		*	E41-1277-08	CN.FPC 1.25MM L131112300010		
JACK101		*	E56-0057-08	JACK,D6.5 G402042200000		
JACK201		*	E63-1361-08	TER,RCA 3PIN G606308HG110Y		
JACK202		*	E11-0982-08	JACK,D3.5 G401035130010		
JACK401,2		*	W02-4568-08	MODULE E100151300020		
JACK403		*	E63-1362-08	TER,RCA 1PIN G600107A0001Y		
JACK601		*	E63-1363-08	TER,RCA G60861006020Y		
Δ F511		*	F50-0256-08	FUSE GLASS TUBEN751222501110		
Δ F511		*	F50-0257-08	FUSE GLASS TUBEN751225001110		EX Y
CB401-11		*	L92-0809-08	COIL,BEAD D340160800060		
L401		*	L33-1694-08	COIL,FILTER-INDD3302R2000150		
L402,3		*	L33-1695-08	COIL,FILTER-INDD3304R7000150		
Δ LF501		*	L79-1301-08	COIL,LINE FILTED320010100010		
Δ T501		*	L07-3299-08	POWER TRANS 8200280150130		E
Δ T501		*	L07-3301-08	POWER TRANS 8200280150150		
Δ T501		*	L07-3302-08	POWER TRANS 8200350150160		X Y
Δ X501		*	C91-1680-08	C.FILM POLYESTED02010307Z060		
Δ XTAL201		*	L78-0771-08	RESONATOR,CERAME830100000060		
Δ XTAL401		*	L77-2434-08	CRYSTAL E80012R288080		
J208,9			RK73GB1J000J	CHIP R 0 J 1/16W		
J401			RK73GB1J000J	CHIP R 0 J 1/16W		
R101,2			RK73GB1J680J	CHIP R 68 J 1/16W		Y

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PARTS LIST

VRS-5100

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Ref. No	Add-ress	New Parts	Parts No.	Description				Desti-nation	Re-marks
R103,4			RK73GB1J103J	CHIP R	10K	J	1/16W	Y	
R105-8			RK73GB1J750J	CHIP R	75	J	1/16W	Y	
R109			RS14GB3A4R7J	FL-PROOF RS	4.7	J	1W	Y	
R110			RK73GB1J102J	CHIP R	1.0K	J	1/16W	Y	
R111			RK73GB1J222J	CHIP R	2.2K	J	1/16W	Y	
R112			RK73GB1J102J	CHIP R	1.0K	J	1/16W	Y	
R113			RK73GB1J222J	CHIP R	2.2K	J	1/16W	Y	
R201-28			RK73GB1J563J	CHIP R	56K	J	1/16W		
R229,30			RK73GB1J471J	CHIP R	470	J	1/16W		
R231			RK73GB1J104J	CHIP R	100K	J	1/16W		
R232			RK73GB1J104J	CHIP R	100K	J	1/16W		
R233			RK73GB1J750J	CHIP R	75	J	1/16W		
R234			RK73GB1J103J	CHIP R	10K	J	1/16W		
R235			RK73GB1J242J	CHIP R	2.4K	J	1/16W		
R236			RK73GB1J202J	CHIP R	2.0K	J	1/16W		
R237			RK73GB1J104J	CHIP R	100K	J	1/16W		
R238			RK73GB1J302J	CHIP R	3.0K	J	1/16W		
R239			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R240			RK73GB1J683J	CHIP R	68K	J	1/16W		
R241			RK73GB1J103J	CHIP R	10K	J	1/16W		
R242			RK73GB1J912J	CHIP R	9.1K	J	1/16W	E	
R243-5			RK73GB1J683J	CHIP R	68K	J	1/16W		
R246			RK73GB1J154J	CHIP R	150K	J	1/16W		
R247			RK73GB1J683J	CHIP R	68K	J	1/16W		
R248,9			RK73GB1J103J	CHIP R	10K	J	1/16W		
R250			RK73GB1J470J	CHIP R	47	J	1/16W		
R251			RK73GB1J683J	CHIP R	68K	J	1/16W		
R252			RK73GB1J103J	CHIP R	10K	J	1/16W		
R253	RK73GB1J102J	CHIP R	1.0K	J	1/16W				
R254	RK73GB1J683J	CHIP R	68K	J	1/16W				
R255-8	RK73GB1J102J	CHIP R	1.0K	J	1/16W				
R259,60	RK73GB1J683J	CHIP R	68K	J	1/16W				
R261	RK73GB1J103J	CHIP R	10K	J	1/16W				
R262	RK73GB1J183J	CHIP R	18K	J	1/16W				
R263,4	RK73GB1J101J	CHIP R	100	J	1/16W				
R267	RK73GB1J103J	CHIP R	10K	J	1/16W				
R268	RK73GB1J100J	CHIP R	10	J	1/16W				
R269	RK73GB1J683J	CHIP R	68K	J	1/16W				
R270	RK73GB1J1R0J	CHIP R	1	J	1/16W				
R271,2	RK73GB1J102J	CHIP R	1.0K	J	1/16W				
R273	RK73GB1J473J	CHIP R	47K	J	1/16W				
R274,5	RK73GB1J103J	CHIP R	10K	J	1/16W				
R276	RK73GB1J153J	CHIP R	15K	J	1/16W	Y			
R276	RK73GB1J512J	CHIP R	5.1K	J	1/16W	E			
R277	RK73GB1J103J	CHIP R	10K	J	1/16W	Y			
R277	RK73GB1J473J	CHIP R	47K	J	1/16W	EX			
R278,9	RK73GB1J101J	CHIP R	100	J	1/16W				
R280	RK73GB1J104J	CHIP R	100K	J	1/16W				
R281	RK73GB1J224J	CHIP R	220K	J	1/16W				
R282	RK73GB1J102J	CHIP R	1.0K	J	1/16W				
R283,4	RK73GB1J471J	CHIP R	470	J	1/16W				
R285	RK73GB1J103J	CHIP R	10K	J	1/16W				
R286	RK73GB1J472J	CHIP R	4.7K	J	1/16W				
R287	RK73GB1J103J	CHIP R	10K	J	1/16W				
R288	RK73GB1J472J	CHIP R	4.7K	J	1/16W				

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R289			RK73GB1J473J	CHIP R	47K	J	1/16W		
R290-4			RK73GB1J103J	CHIP R	10K	J	1/16W		
R295,6			RK73GB1J101J	CHIP R	100	J	1/16W		
R297			RK73GB1J471J	CHIP R	470	J	1/16W		
R401,2			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R403			RK73GB1J750J	CHIP R	75	J	1/16W		
R404			RK73GB1J101J	CHIP R	100	J	1/16W		
R405			RK73GB1J123J	CHIP R	12K	J	1/16W		
R406,7			RK73GB1J103J	CHIP R	10K	J	1/16W		
R410			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R411			RK73GB1J330J	CHIP R	33	J	1/16W		
R412,3			RK73GB1J103J	CHIP R	10K	J	1/16W		
R414			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R419			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R420-9			RK73GB1J103J	CHIP R	10K	J	1/16W		
R430-6			RK73GB1J470J	CHIP R	47	J	1/16W		
R438-43			RK73GB1J470J	CHIP R	47	J	1/16W		
R445			RK73GB1J470J	CHIP R	47	J	1/16W		
R448			RK73GB1J470J	CHIP R	47	J	1/16W		
R450C			RK73GB1J101J	CHIP R	100	J	1/16W		
R450FL			RK73GB1J101J	CHIP R	100	J	1/16W		
R450FR			RK73GB1J101J	CHIP R	100	J	1/16W		
R450LB			RK73GB1J101J	CHIP R	100	J	1/16W		
R450LS			RK73GB1J101J	CHIP R	100	J	1/16W		
R450RB			RK73GB1J101J	CHIP R	100	J	1/16W		
R450RS			RK73GB1J101J	CHIP R	100	J	1/16W		
R450SW			RK73GB1J101J	CHIP R	100	J	1/16W		
R451C			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451FL			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451FR			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451LB			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451LS			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451RB			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451RS			RK73GB1J104J	CHIP R	100K	J	1/16W		
R451SW			RK73GB1J104J	CHIP R	100K	J	1/16W		
R452C			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452FL			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452FR			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452LB			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452LS			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452RB			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452RS			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R452SW			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453C			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453FL			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453FR			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453LB			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453LS			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453RB			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453RS			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R453SW			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R454C			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R454FL			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R454FR			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R454LB			RK73GB1J472J	CHIP R	4.7K	J	1/16W		

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R454LS R454RB R454RS R454SW R455C			RK73GB1J472J RK73GB1J472J RK73GB1J472J RK73GB1J272J RK73GB1J472J	CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 2.7K J 1/16W CHIP R 4.7K J 1/16W		
R455FL R455FR R455LB R455LS R455RB			RK73GB1J472J RK73GB1J472J RK73GB1J472J RK73GB1J472J RK73GB1J472J	CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W		
R455RS R455SW R456C R456FL R456FR			RK73GB1J472J RK73GB1J472J RK73GB1J102J RK73GB1J102J RK73GB1J102J	CHIP R 4.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W		
R456LB R456LS R456RB R456RS R456SW			RK73GB1J102J RK73GB1J102J RK73GB1J102J RK73GB1J102J RK73GB1J102J	CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W		
R457C R457FL R457FR R457LB R457LS			RK73GB1J104J RK73GB1J104J RK73GB1J104J RK73GB1J104J RK73GB1J104J	CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 100K J 1/16W		
R457RB R457RS R457SW R458C R458FL			RK73GB1J104J RK73GB1J104J RK73GB1J104J RK73GB1J223J RK73GB1J223J	CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 100K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W		
R458FR R458LB R458LS R458RB R458RS			RK73GB1J223J RK73GB1J223J RK73GB1J223J RK73GB1J223J RK73GB1J223J	CHIP R 22K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W CHIP R 22K J 1/16W		
R458SW R459 R460 R461 R467			RK73GB1J223J RK73GB1J471J RK73GB1J474J RK73GB1J102J RK73GB1J470J	CHIP R 22K J 1/16W CHIP R 470 J 1/16W CHIP R 470K J 1/16W CHIP R 1.0K J 1/16W CHIP R 47 J 1/16W		
R468 R469 R470 R471,2 R473			RK73GB1J47J RK73GB1J472J RK73GB1J204J RK73GB1J472J RK73GB1J103J	CHIP R 4.7 J 1/16W CHIP R 4.7K J 1/16W CHIP R 200K J 1/16W CHIP R 4.7K J 1/16W CHIP R 10K J 1/16W		
R474 R475,6 R477 R478 R479			RK73GB1J680J RK73GB1J472J RK73GB1J680J RK73GB1J472J RK73GB1J680J	CHIP R 68 J 1/16W CHIP R 4.7K J 1/16W CHIP R 68 J 1/16W CHIP R 4.7K J 1/16W CHIP R 68 J 1/16W		
R480 R481 R482 R483,4 R485			RK73GB1J470J RK73GB1J103J RK73GB1J472J RK73GB1J151J RK73GB1J103J	CHIP R 47 J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 150 J 1/16W CHIP R 10K J 1/16W		

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R486 R487 R492 R493 R494-6			RK73GB1J222J RK73GB1J104J RK73GB1J331J RK73GB1J331J RK73GB1J101J	CHIP R 2.2K J 1/16W CHIP R 100K J 1/16W CHIP R 330 J 1/16W CHIP R 330 J 1/16W CHIP R 100 J 1/16W		
R497 R498 R511-9 R520 R521			RK73GB1J470J RK73GB1J331J RK73GB1J103J RK73GB1J472J RK73GB1J222J	CHIP R 47 J 1/16W CHIP R 330 J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 2.2K J 1/16W		
R601-5 R606,7 R608,9			RK73GB1J750J RK73GB1J391J RK73GB1J332J	CHIP R 75 J 1/16W CHIP R 390 J 1/16W CHIP R 3.3K J 1/16W		
⚠ RLY501 SW201-7 SW401		*	S76-0143-08 S70-0105-08 S62-0121-08	RELAY G680090102010 SW,TACT G180000270010 SW,SLIDE G060112011010	Y	
FUNC201 VOL201		*	T99-0693-08 T99-0686-08	SW,ENCODER G121161210010 SW,ENCODER G121162401200		
D101,2 D201-16 D401-9 D410,1 D412-6		*	1N4148W 1N4148W 1N4148W 1SS133T 1N4148W	D,SWITCHING CHIK005041480020 D,SWITCHING CHIK005041480020 D,SWITCHING CHIK005041480020 D,SWITCHING K000013300520 D,SWITCHING CHIK005041480020	Y	
⚠ D501,2 ⚠ D503-6 D507,8 D601,2 IC101,2		*	1SS133T IN4007 1SS133T 1N4148W LA7956	D,SWITCHING K000013300520 D,SWITCHING K000400700520 D,SWITCHING K000013300520 D,SWITCHING CHIK005041480020 IC,MONITOR SW J171795600010	Y	
IC201 IC202 IC401 IC402 IC403,4		*	CXP82860-505Q MC24C08-WMN6 AK4588 CS493263-CL MM74LCX574	IC,CPU MICRO PRJ020828605050 IC,MEMORY-EEPROM00240860010 IC,ANALOG J080458800010 IC,ANALOG J080493260030 IC,LOGIC J040745740060		
IC405 IC406 IC407 IC409-12 IC413		*	MM74HCT244 MM74LCX244 M29W400BT BA4558F MM74LCX244	IC,LOGIC J040742440190 IC,LOGIC J040742440180 IC,MEMORY FLASHJ005294000010 IC(OP AMP X2) J121455800140 IC,LOGIC J040742440180		
IC415 IC416 IC417 IC501 IC601		*	RC1117-2.5 RC1117-3.3 74VHC04 CJ7805F LA7956	IC,LINEAR-REGULJ126111725020 IC,LINEAR-REGULJ126111733020 IC,LOGIC J040740400260 IC,LINEAR-REGULJ126780500400 IC,MONITOR SW J171795600010		
Q101,2 Q103,4 Q201-6 Q207 Q401-8		*	KRC107S KTC2875B KRC102S KTC3875S KTC2875B	SEMI,CHIP TR/NPJ522107S00210 SEMI,CHIP TR/NPJ522875B0010 SEMI,CHIP TR/NPJ522010200210 SEMI,CHIP TR/NPJ522038750210 SEMI,CHIP TR/NPJ5222875B0010	Y Y	
Q409 Q410 Q411 Q412 Q413		*	KRA111S KRA102S KRC102S KRC107S KRC107S	SEMI,CHIP TR/PNJ520011100210 SEMI,CHIP TR/PNJ520010200210 SEMI,CHIP TR/PNJ520010200210 SEMI,CHIP TR/NPJ522107S00210 SEMI,CHIP TR/NPJ522107S00210	EY X	

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VRS-5100

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Q501			KRC107M	SEMI,BRT/NPN RCJ6020107M0010	Y	
Q502			2SC1740SR	SEMI,TR/GE NPN J5021740S0010		
Q503			KRC107M	SEMI,BRT/NPN RCJ6020107M0010		
Q601,2			KTC3198Y	SEMI,TR/GE NPN J5023198Y0000		
Q603-6			KRC107S	SEMI,CHIP TR/NPJ522107S00210		
SEN201			W02-2995-08	MODULE,REMOCON E940633800000		
ZD201			MTZJ3.3B	D,ZENER K06003R344520		
ZD202			MTZJ6.2B	D,ZENER K06006R244520		
ZD203-6			MTZJ5.1B	D,ZENER K06005R144520		
ZD501			MTZJ5.6B	D,ZENER K06005R644520		
ZD502			MTZJ15B	D,ZENER K06015R044520	Y	

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VRS-5100

SPECIFICATIONS

AUDIO section

Rated power output during STEREO operation	
(63 Hz ~ 12.5 kHz, 0.7% T.H.D., at 6 Ω , DIN/IEC)	
..... 50 W + 50 W	
(1 kHz, 10% T.H.D., at 6 Ω)	60 W + 60 W
Effective power output during SURROUND operation	
FRONT	
(63 Hz ~ 12.5 kHz, 0.7 % T.H.D. at 6 Ω one channel driven)	
..... 50 W + 50 W	
(1kHz, 10% T.H.D. at 6 Ω one channel driven)	60 W + 60 W
CENTER	
(63 Hz ~ 12.5 kHz, 0.7 % T.H.D. at 6 Ω one channel driven)	
..... 50 W	
(1kHz, 10% T.H.D. at 6 Ω one channel driven)	60 W
SURROUND	
(63 Hz ~ 12.5 kHz, 0.7 % T.H.D. at 6 Ω one channel driven)	
..... 50 W + 50 W	
(1kHz, 10% T.H.D. at 6 Ω one channel driven)	60 W + 60 W
SURROUND BACK	
(63 Hz ~ 12.5 kHz, 0.7 % T.H.D. at 6 Ω one channel driven)	
..... 50 W	
(1kHz, 10% T.H.D. at 6 Ω one channel driven)	60 W
SUBWOOFER	
(60 Hz, 0.7 % T.H.D. at 6 Ω one channel driven)	50 W
(60 Hz, 10% T.H.D. at 6 Ω one channel driven)	60 W
Total harmonic distortion	0.02 % (1 kHz, 30 W, 6 Ω)
Frequency response (IHF'66)	
DVD, VIDEO 1, VIDEO 2, AUX	
..... 10 Hz ~ 95 kHz, +0 dB ~ -3.0 dB	
Signal to noise ratio (IHF'66)	
DVD, VIDEO 1, VIDEO 2, AUX	
95 dB	
Input sensitivity / impedance	
DVD, VIDEO 1, VIDEO 2, AUX	
350 mV / 47 k Ω	
Output level / impedance	
VIDEO1	
350 mV / 1 k Ω	
PRE OUT (SUBWOOFER/SURROUND BACK)	
1V / 1 k Ω	
Tone control	
BASS	10 dB (at 100 Hz)
TREBLE	10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -24 dBm), 660 nm $\pm$ 30 nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω
S-VIDEO inputs / outputs (For U.S. Military only)	
S-VIDEO (luminance signal)	1 Vp-p / 75 Ω
S-VIDEO (chrominance signal)	0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity (DIN at 75 Ω)	
MONO	1.3 V / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO	45 μ V / 42.1 dBf (40+6 kHz DEV., S/N 46 dB)
Total harmonic distortion (DIN at 1 kHz)	
MONO (1 kHz, 40 kHz DEV.)	0.3% (65.2 dBf input)
STEREO (1 kHz, 40+6 kHz DEV.)	0.8% (65.2 dBf input)
Signal to noise ratio (DIN weighted at 1 kHz)	
MONO	65 dB (65.2 dBf input)
STEREO	60 dB (65.2 dBf input)
Stereo separation (DIN 1 kHz)	36 dB
Selectivity (DIN $\pm$ 300 kHz)	64 dB
Frequency response (30 Hz ~ 15 kHz)	+0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
For U.S. Military	
10 kHz step	530 kHz ~ 1,610 kHz
9 kHz step	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod, S/N 20 dB)	16 μ V / (600 μ V/m)
Signal to noise ratio (30% mod, 1mV input)	50 dB

GENERAL

Power consumption	170 W
Dimensions	
W: 440 mm (17-5/16")	
H : 70 mm (2-3/4")	
D : 360 mm (14-3/16")	
Weight (Net)	7.8 kg (17.2 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).